

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072121\
 Data File : VN067845.D
 Acq On : 21 Jul 2021 17:52
 Operator : JC/MD
 Sample : M3089-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 22 02:13:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

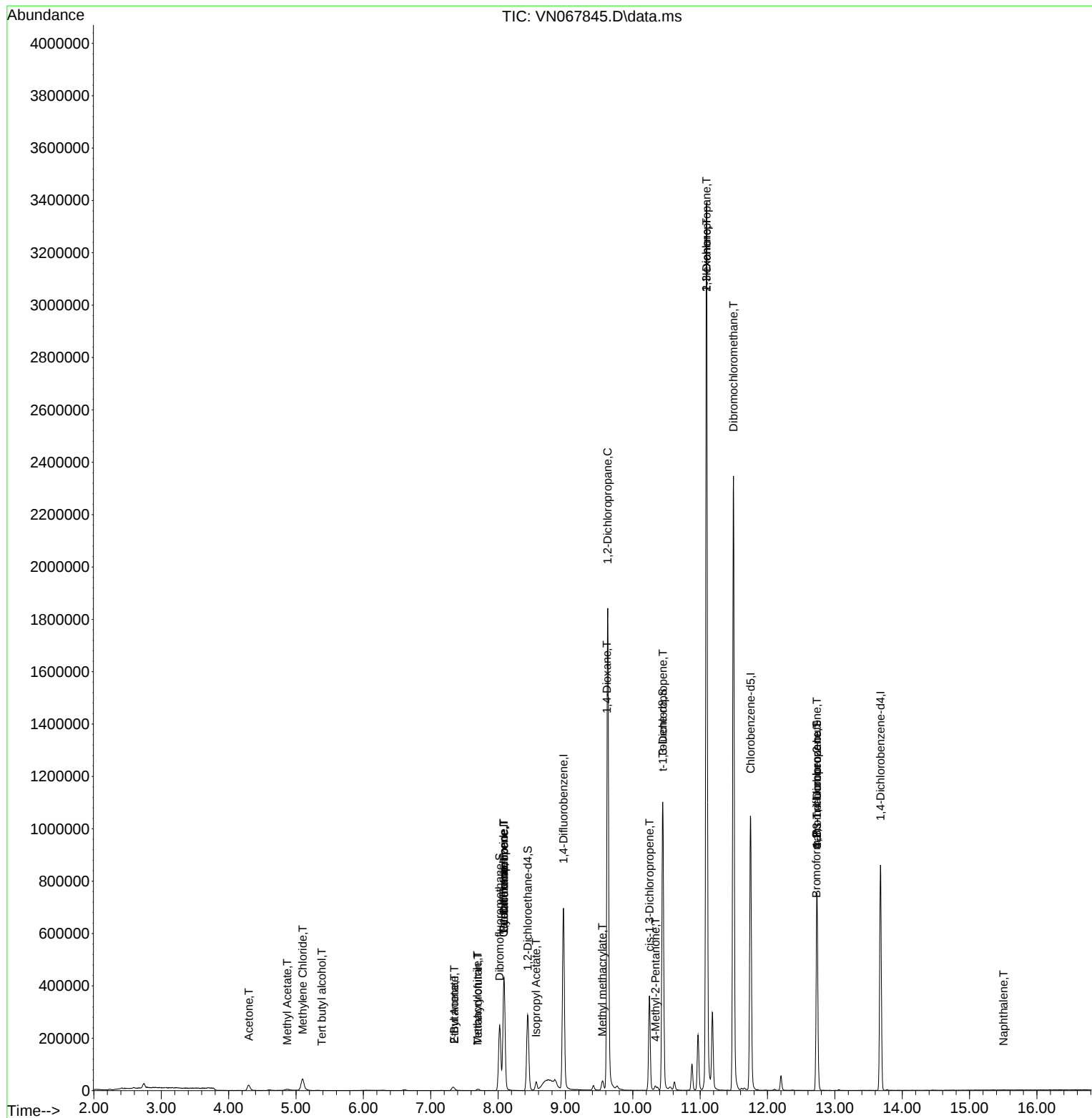
Internal Standards						
1) Pentafluorobenzene	8.088	168	310418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	606336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	617638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	221772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	245496	52.329	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.660%			
35) Dibromofluoromethane	8.024	113	183572	50.111	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.220%			
50) Toluene-d8	10.443	98	776205	50.621	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.240%			
62) 4-Bromofluorobenzene	12.733	95	265722	49.056	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.120%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.794	94	59	Below Cal	#	4
6) Chloroethane	3.258	64	24	Below Cal	#	44
11) Tert butyl alcohol	5.382	59	256	0.380	ug/l #	71
13) Acrolein	4.038	56	52	Below Cal	#	14
16) Acetone	4.299	43	39648	26.858	ug/l	98
18) Methyl Acetate	4.870	43	7099	1.712	ug/l #	59
20) Methylene Chloride	5.100	84	33083	9.030	ug/l	88
25) 2-Butanone	7.351	43	8359	3.410	ug/l	100
29) Tetrahydrofuran	7.702	42	3455	2.143	ug/l #	89
31) Cyclohexane	8.088	56	8481	1.289	ug/l #	27
36) 1,1-Dichloropropene	8.085	75	28555	5.070	ug/l #	51
37) Ethyl Acetate	7.351	43	8359	1.532	ug/l #	70
38) Carbon Tetrachloride	8.083	117	34562	6.221	ug/l #	16
41) Methacrylonitrile	7.694	41	1093	0.390	ug/l #	45
43) Isopropyl Acetate	8.563	43	36467	3.799	ug/l #	91
45) 1,2-Dichloropropane	9.628	63	2278	0.534	ug/l #	44
48) Methyl methacrylate	9.550	41	9754	2.297	ug/l #	12
49) 1,4-Dioxane	9.617	88	52	32.729	ug/l #	1
51) 4-Methyl-2-Pentanone	10.338	43	10341	1.753	ug/l	93
53) t-1,3-Dichloropropene	10.448	75	106	1.759	ug/l #	1
54) cis-1,3-Dichloropropene	10.247	75	63085	9.580	ug/l #	59
57) 1,3-Dichloropropane	11.095	76	34693	4.780	ug/l #	43
59) 2-Hexanone	11.095	43	528146	128.300	ug/l #	54
60) Dibromochloromethane	11.494	129	204	2.394	ug/l #	11
71) Bromoform	12.725	173	505	3.295	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	149239	32.952	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	149239	106.240	ug/l #	6
95) Naphthalene	15.504	128	873	3.088	ug/l #	69

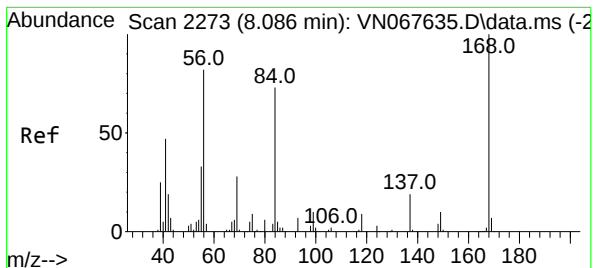
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067845.D

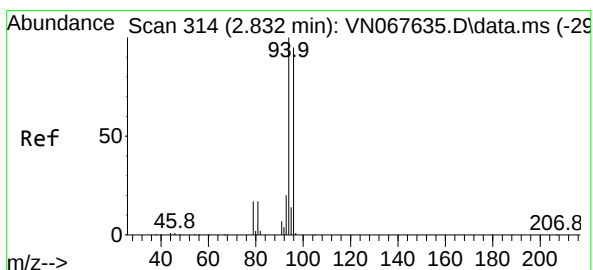
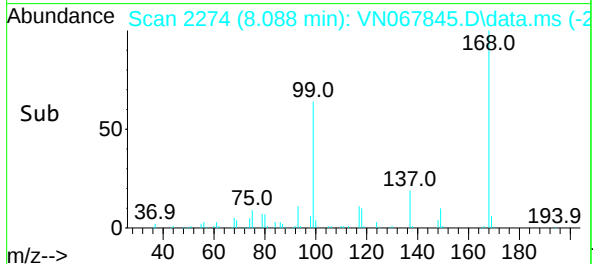
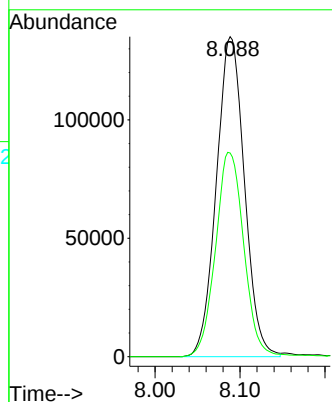
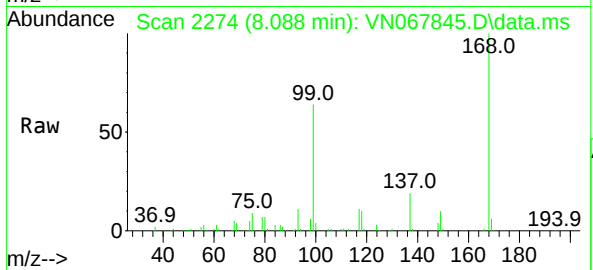
Acq: 21 Jul 2021 17:52

Tgt Ion:168 Resp: 310418

Ion Ratio Lower Upper

168 100

99 63.6 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.794 min Scan# 300

Delta R.T. -0.038 min

Lab File: VN067845.D

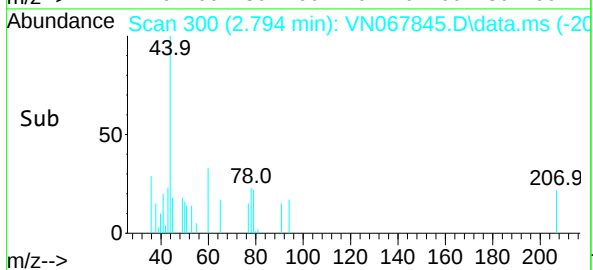
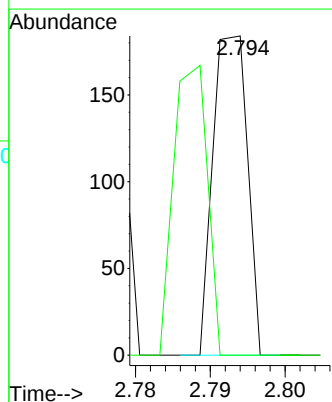
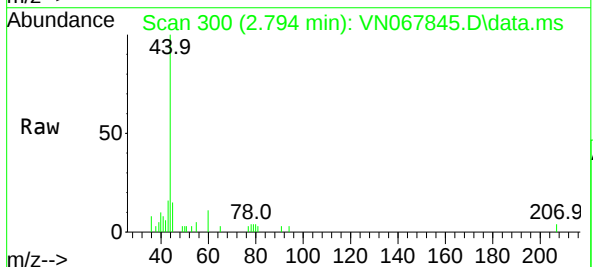
Acq: 21 Jul 2021 17:52

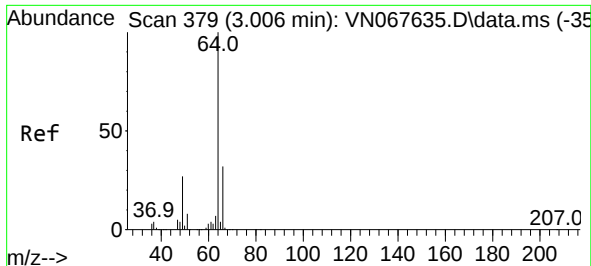
Tgt Ion: 94 Resp: 59

Ion Ratio Lower Upper

94 100

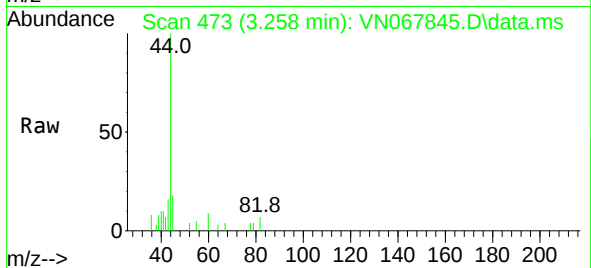
96 0.0 73.7 110.5#



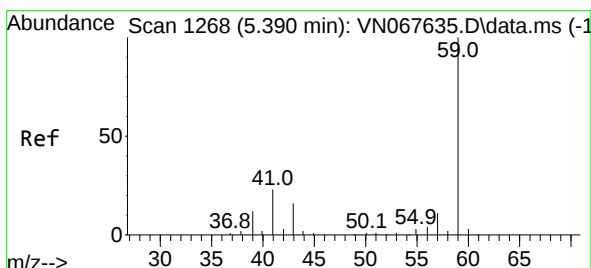
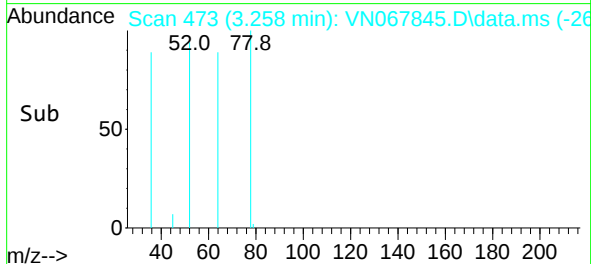
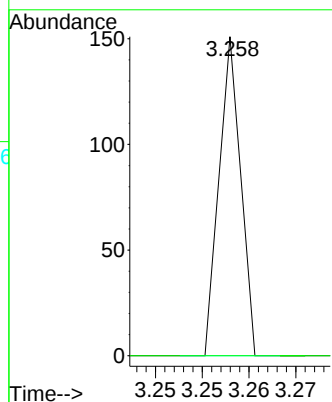


#6
Chloroethane
Concen: Below Cal
RT: 3.258 min Scan# 473
Delta R.T. 0.252 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Instrument :
MSVOA_N
ClientSampled :

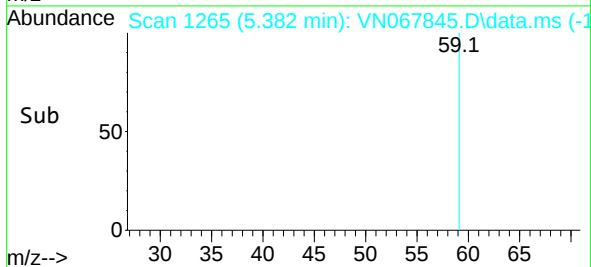
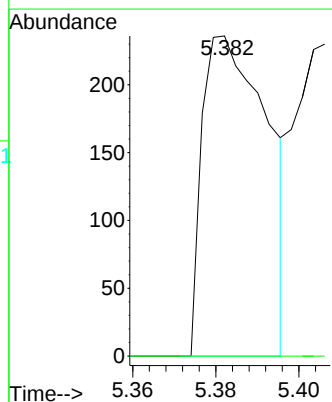
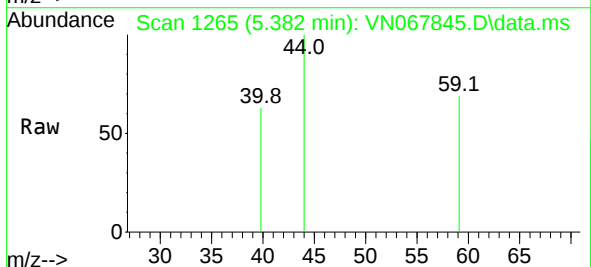


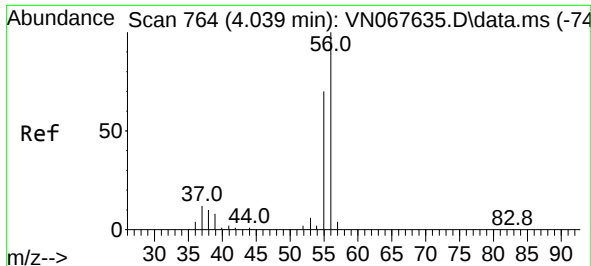
Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.380 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. -0.008 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Tgt Ion: 59 Resp: 256
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

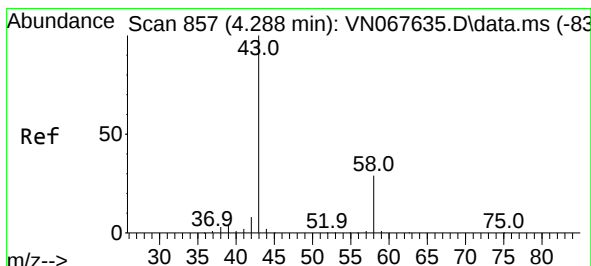
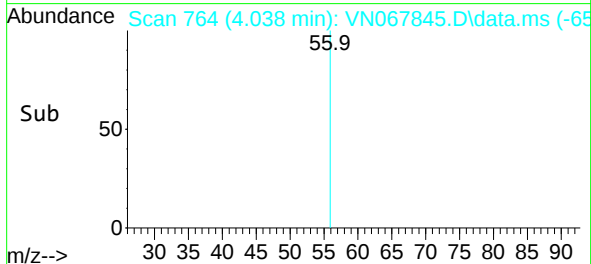
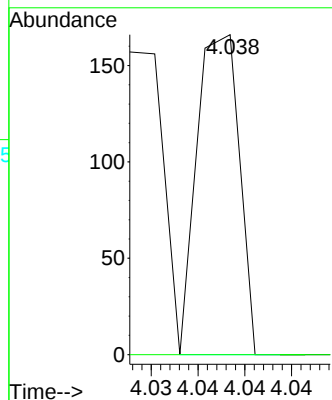
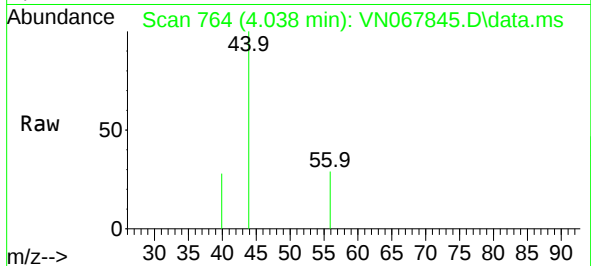




#13
Acrolein
Concen: Below Cal
RT: 4.038 min Scan# 764
Delta R.T. -0.001 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

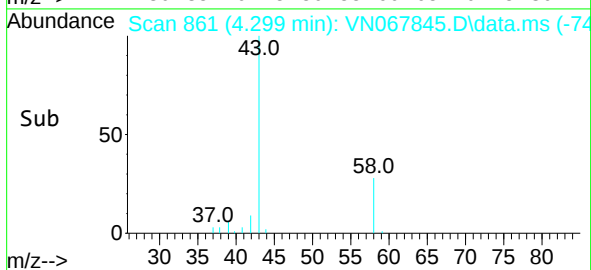
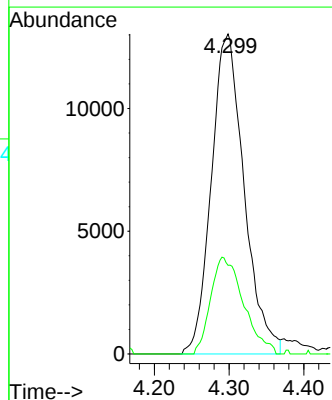
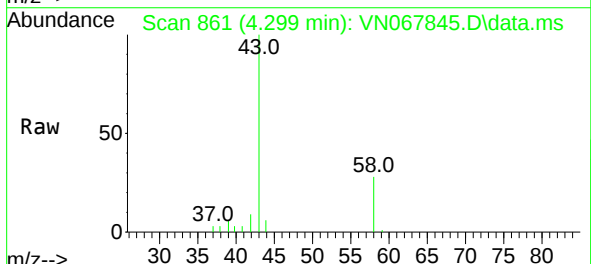
Instrument :
MSVOA_N
ClientSampleId :

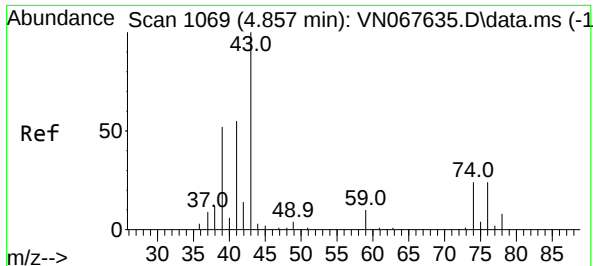
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 26.858 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Tgt Ion: 43 Resp: 39648
Ion Ratio Lower Upper
43 100
58 27.7 21.2 31.8





#18

Methyl Acetate

Concen: 1.712 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.013 min

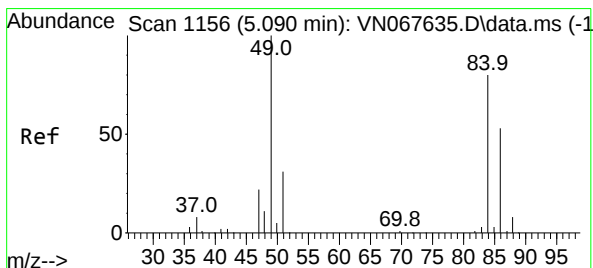
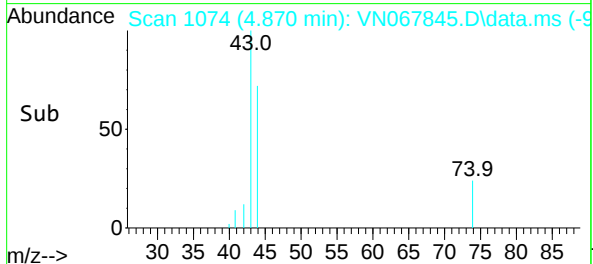
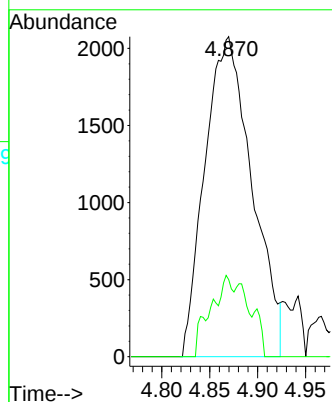
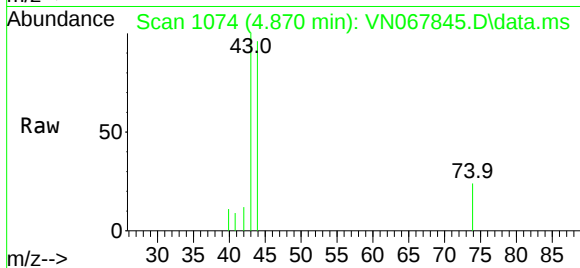
Lab File: VN067845.D

Acq: 21 Jul 2021 17:52

Tgt Ion: 43 Resp: 7099

Ion Ratio Lower Upper

43	100		
74	2.2	17.4	26.0#



#20

Methylene Chloride

Concen: 9.030 ug/l

RT: 5.100 min Scan# 1160

Delta R.T. 0.010 min

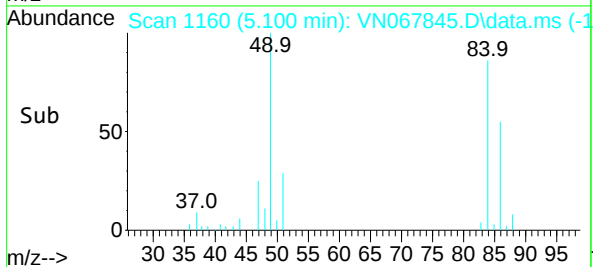
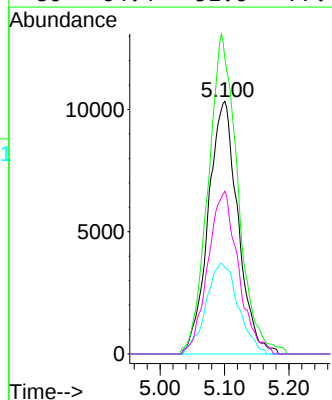
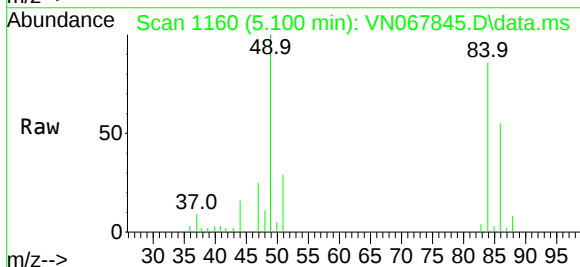
Lab File: VN067845.D

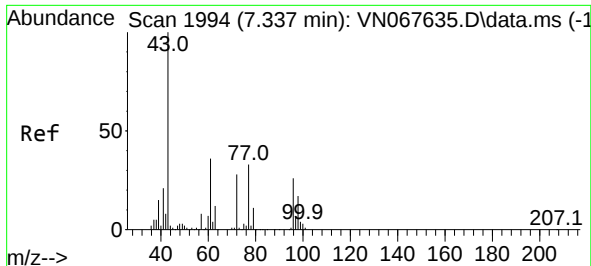
Acq: 21 Jul 2021 17:52

Tgt Ion: 84 Resp: 33083

Ion Ratio Lower Upper

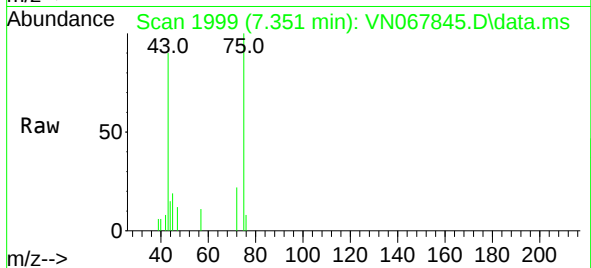
84	100		
49	116.9	110.9	166.3
51	34.3	32.6	49.0
86	64.4	51.6	77.4



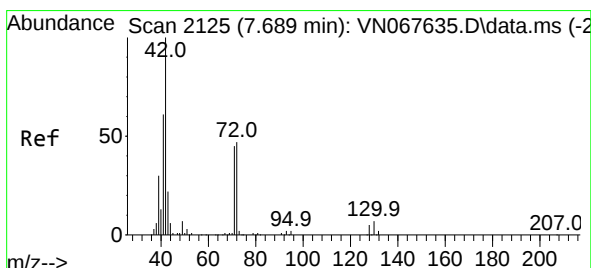
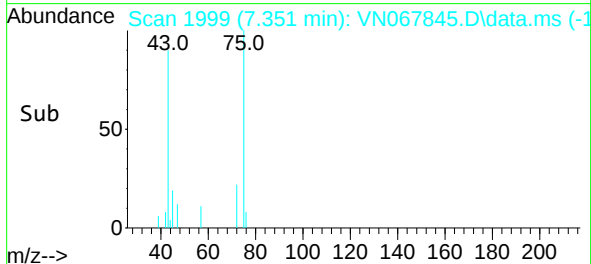
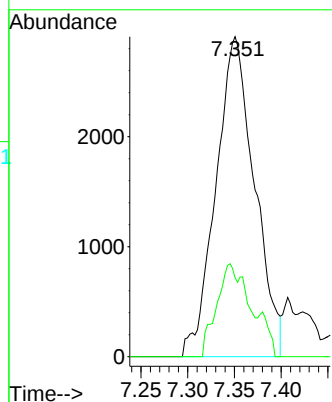


#25
2-Butanone
Concen: 3.410 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.014 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Instrument :
MSVOA_N
ClientSampled :

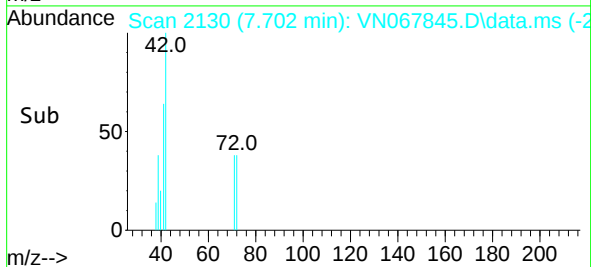
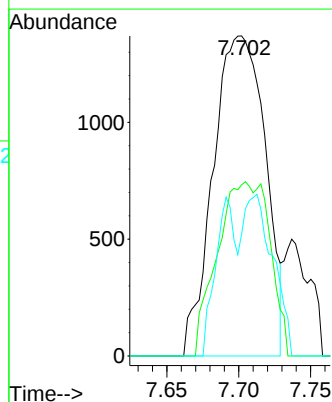
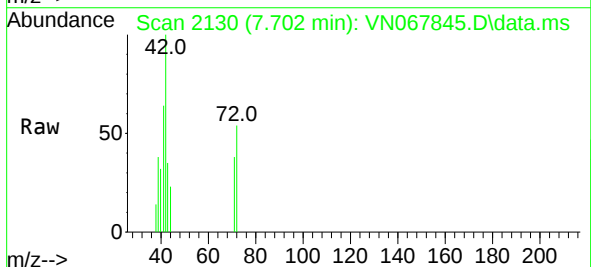


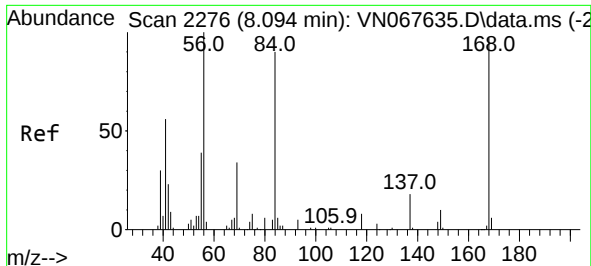
Tgt Ion: 43 Resp: 8359
Ion Ratio Lower Upper
43 100
72 24.7 19.7 29.5



#29
Tetrahydrofuran
Concen: 2.143 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.013 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

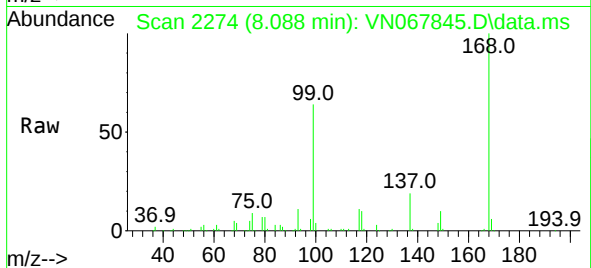
Tgt Ion: 42 Resp: 3455
Ion Ratio Lower Upper
42 100
72 37.5 32.8 49.2
71 29.3 31.2 46.8#



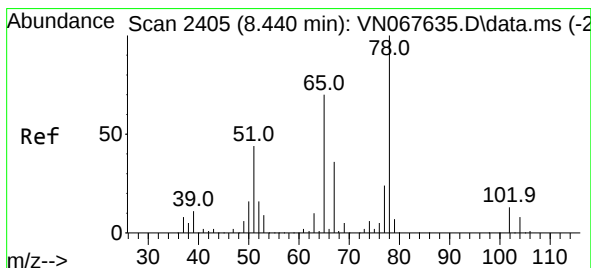
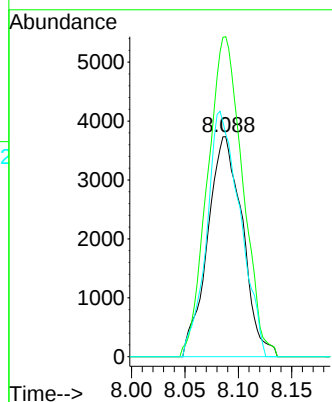
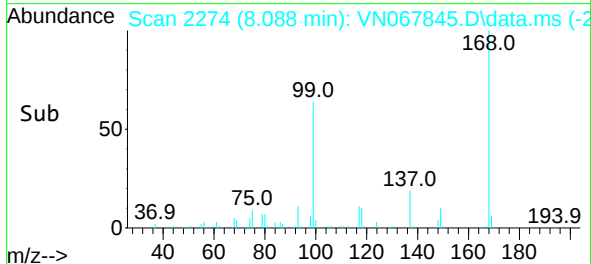


#31
Cyclohexane
Concen: 1.289 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

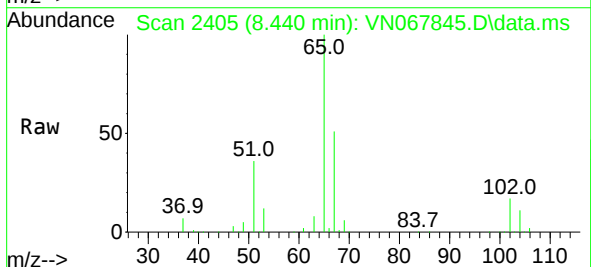
Instrument :
MSVOA_N
ClientSampled :



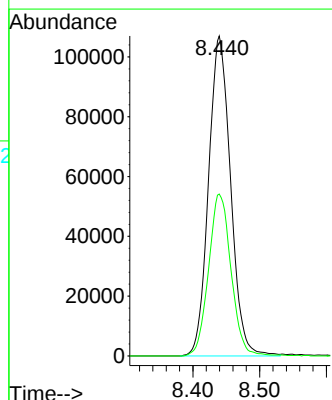
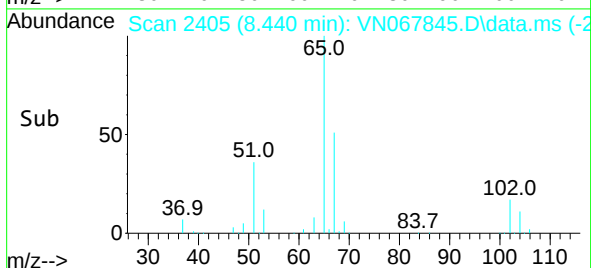
Tgt Ion: 56 Resp: 8481
Ion Ratio Lower Upper
56 100
69 145.5 27.3 40.9#
84 101.1 64.9 97.3#

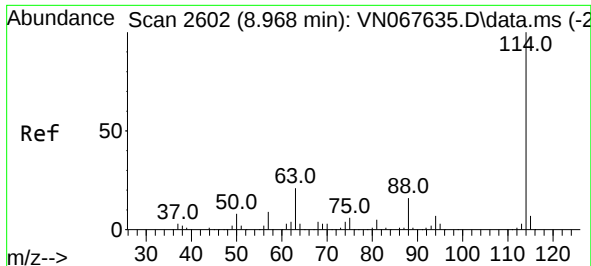


#33
1,2-Dichloroethane-d4
Concen: 52.329 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52



Tgt Ion: 65 Resp: 245496
Ion Ratio Lower Upper
65 100
67 51.6 0.0 98.6

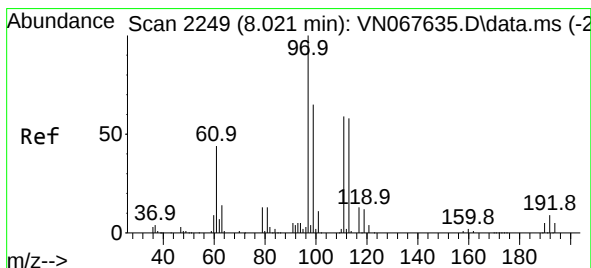
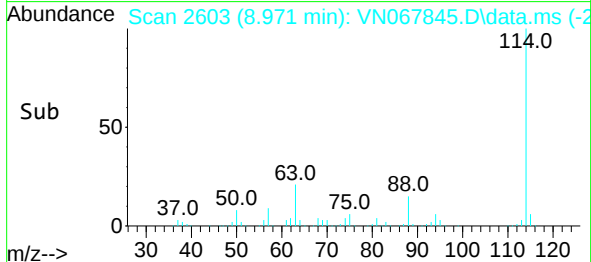
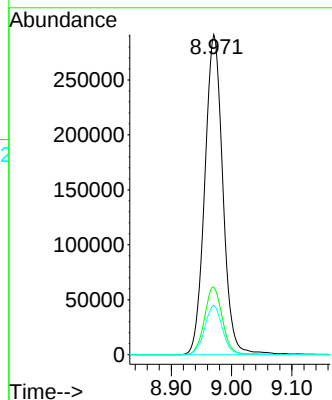
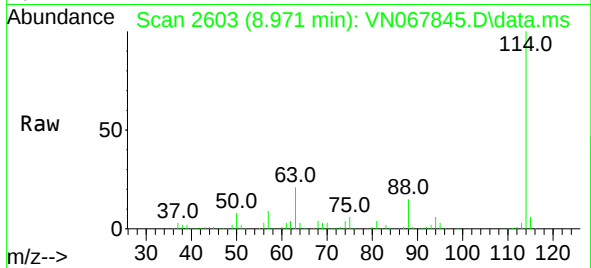




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

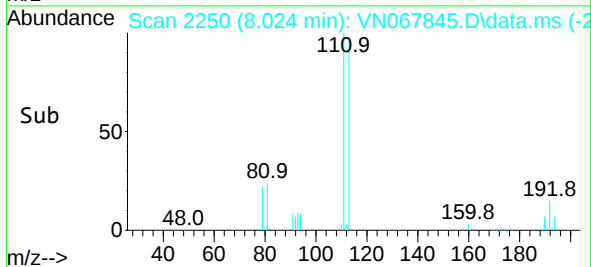
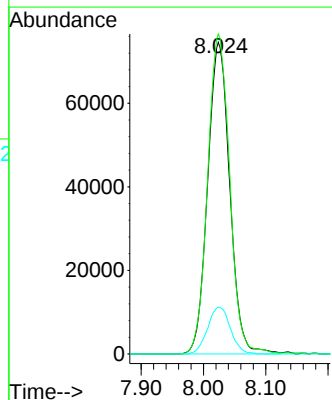
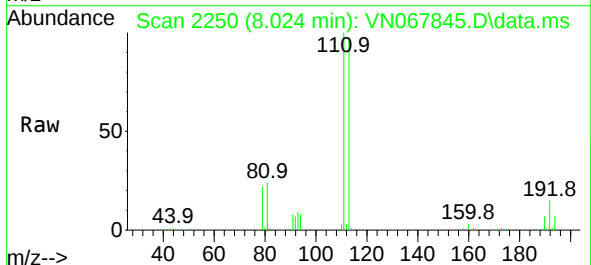
Instrument :
MSVOA_N
ClientSampled :

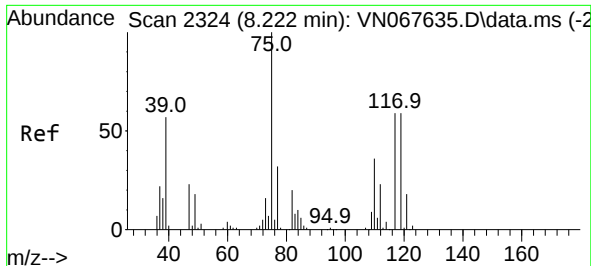
Tgt Ion:114 Resp: 606336
Ion Ratio Lower Upper
114 100
63 21.0 0.0 49.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.111 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

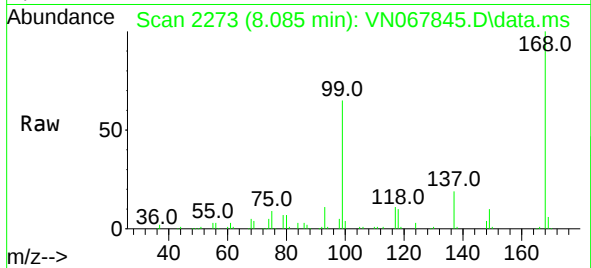
Tgt Ion:113 Resp: 183572
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.8
192 15.5 13.4 20.0



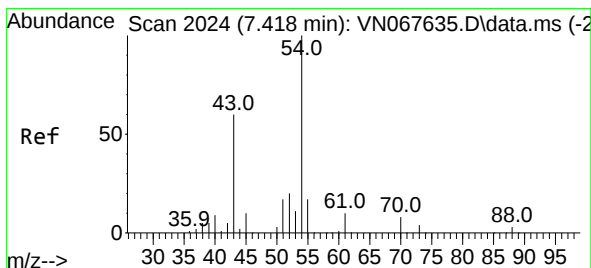
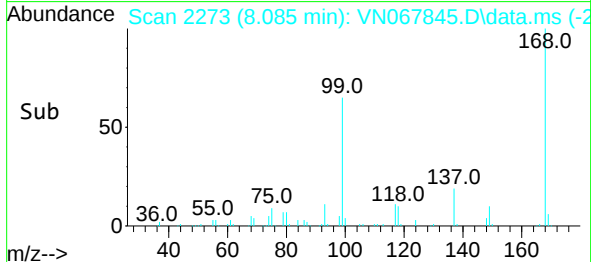
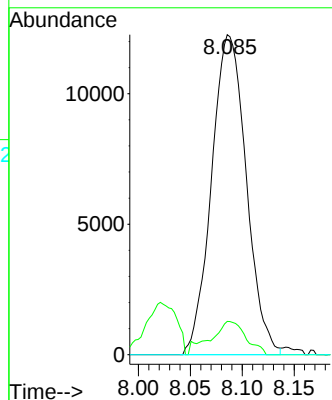


#36
1,1-Dichloropropene
Concen: 5.070 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Instrument :
MSVOA_N
ClientSampleId :

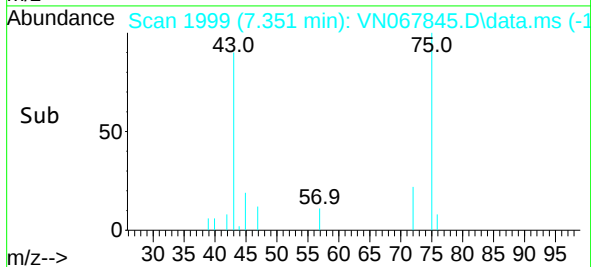
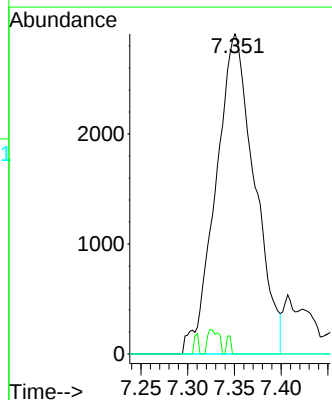
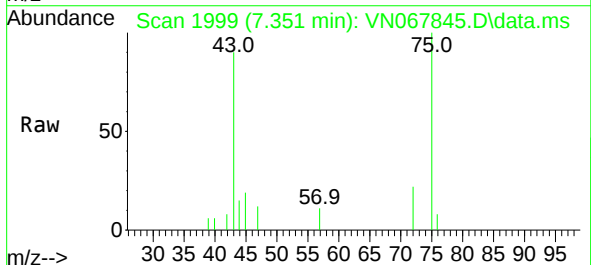


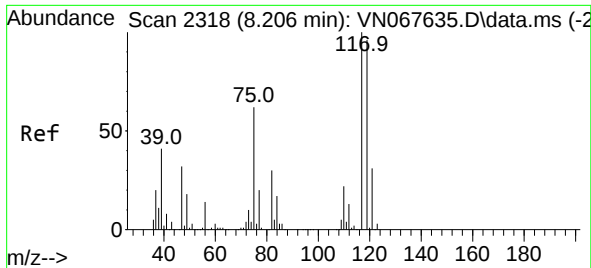
Tgt Ion: 75 Resp: 28555
Ion Ratio Lower Upper
75 100
110 8.4 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.532 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.067 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

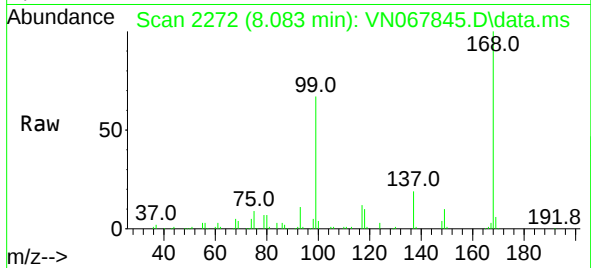
Tgt Ion: 43 Resp: 8359
Ion Ratio Lower Upper
43 100
61 0.6 10.6 16.0#
70 0.0 8.1 12.1#



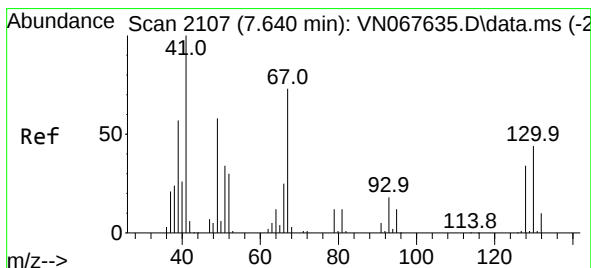
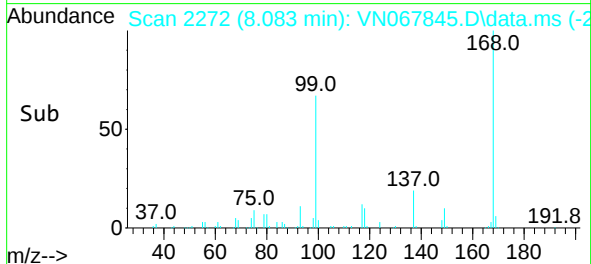
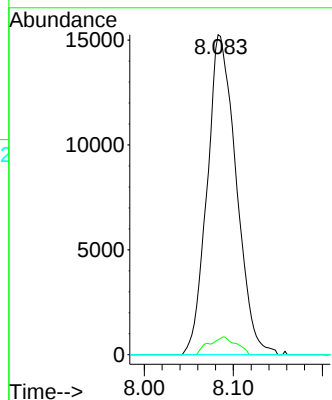


#38
Carbon Tetrachloride
Concen: 6.221 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

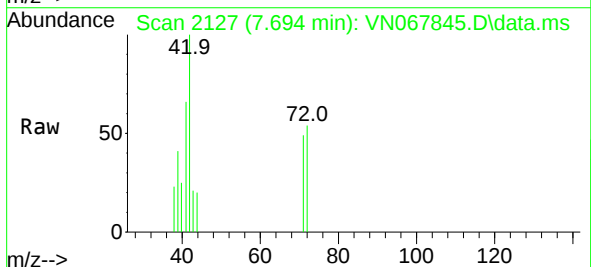
Instrument :
MSVOA_N
ClientSampleId :



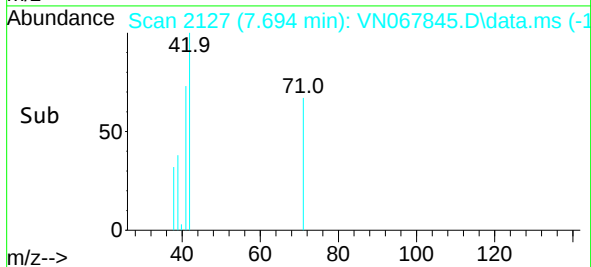
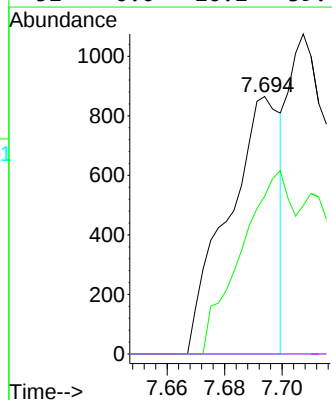
Tgt Ion:117 Resp: 34562
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#

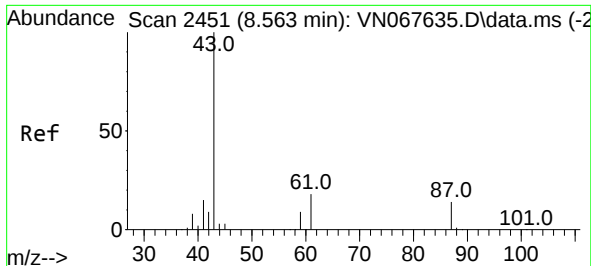


#41
Methacrylonitrile
Concen: 0.390 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.054 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52



Tgt Ion: 41 Resp: 1093
Ion Ratio Lower Upper
41 100
39 70.9 47.6 71.4
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

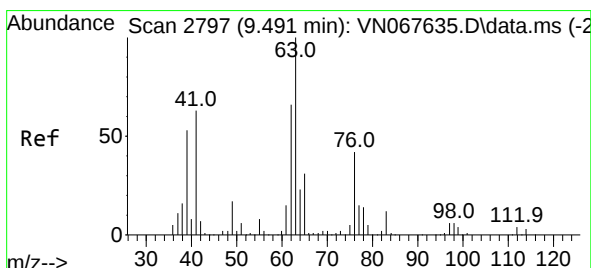
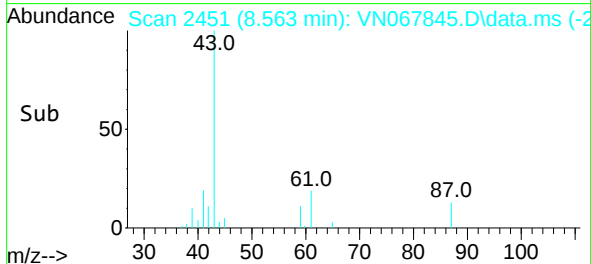
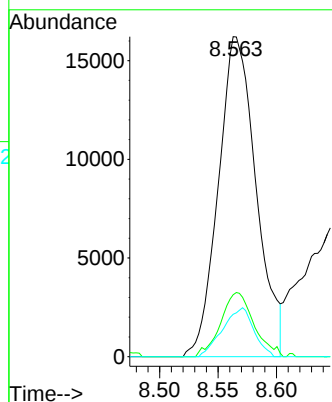
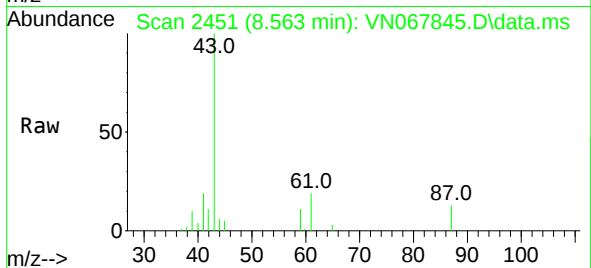




#43
Isopropyl Acetate
Concen: 3.799 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. -0.000 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

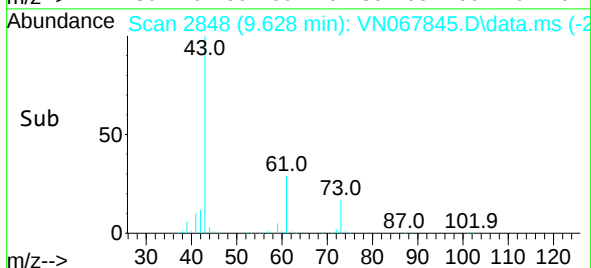
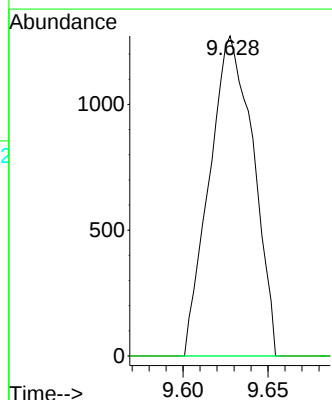
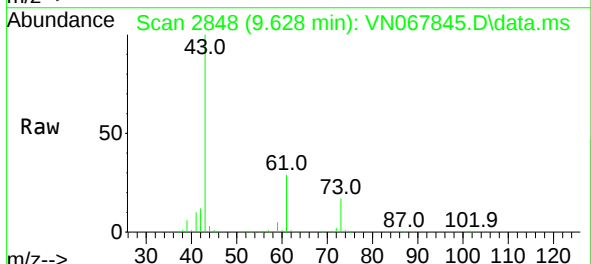
Instrument :
MSVOA_N
ClientSampleId :

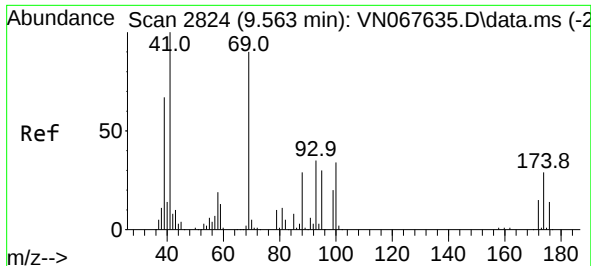
Tgt Ion: 43 Resp: 36467
Ion Ratio Lower Upper
43 100
61 17.6 19.0 28.4#
87 12.6 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.534 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Tgt Ion: 63 Resp: 2278
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

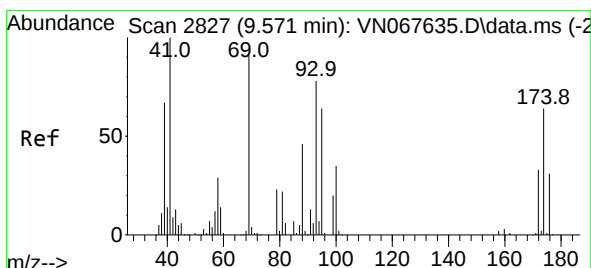
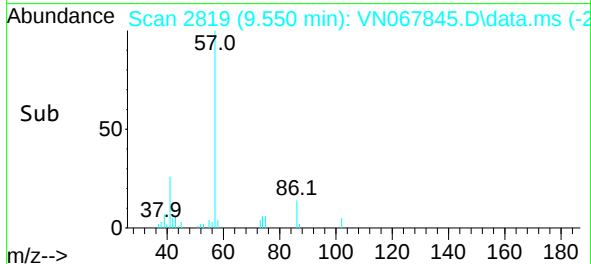
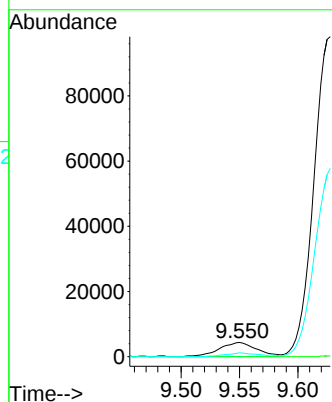
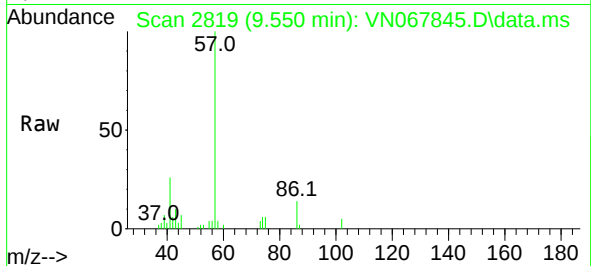




#48
Methyl methacrylate
Concen: 2.297 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.013 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

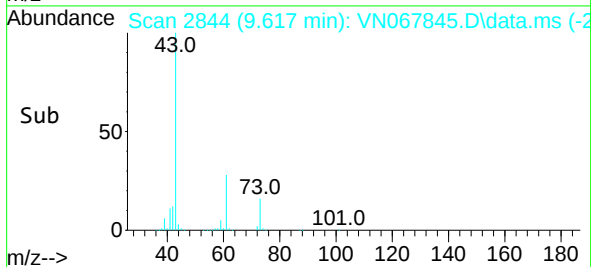
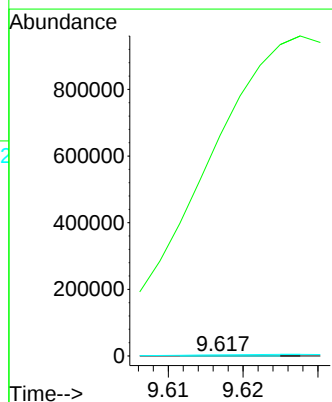
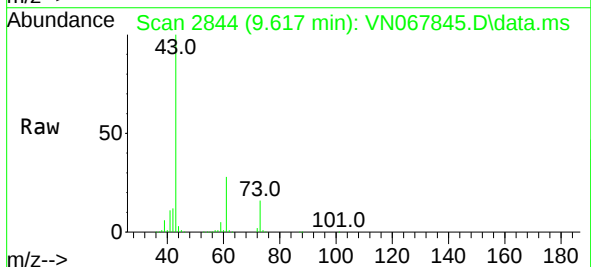
Instrument :
MSVOA_N
ClientSampled :

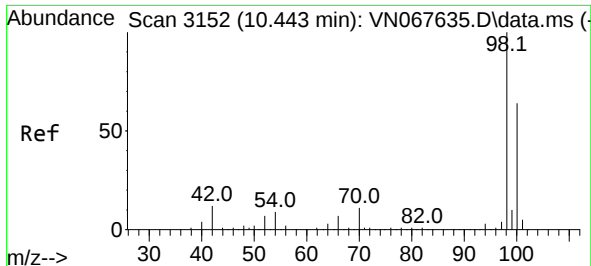
Tgt Ion: 41 Resp: 9754
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 32.729 ug/l
RT: 9.617 min Scan# 2844
Delta R.T. 0.046 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 3529451.9 28.8 43.2#
58 17532.7 60.4 90.6#

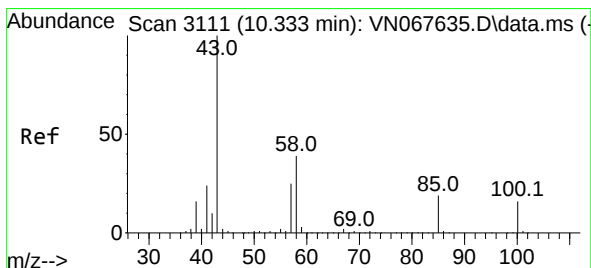
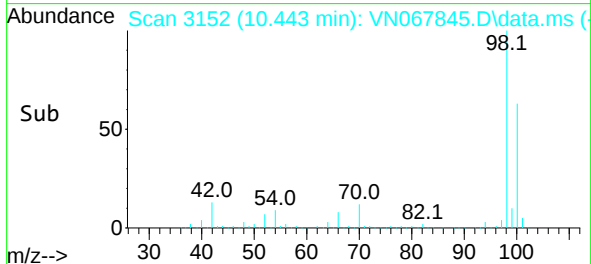
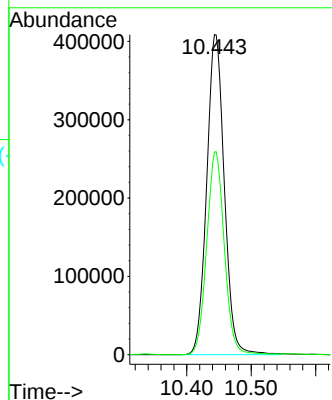
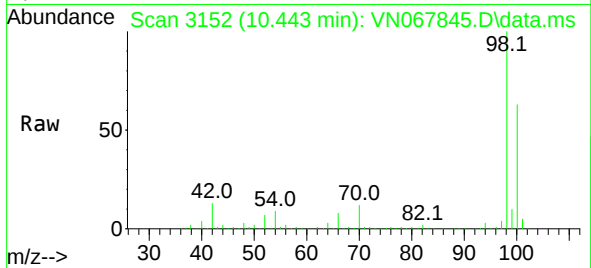




#50
Toluene-d8
Concen: 50.621 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

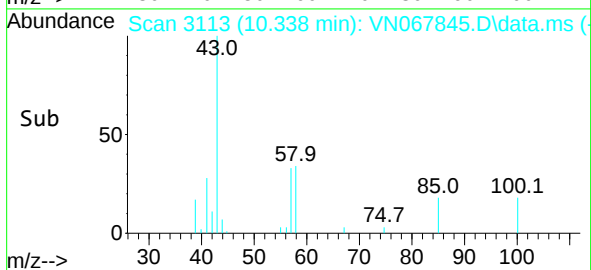
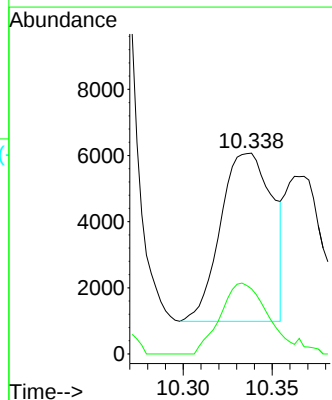
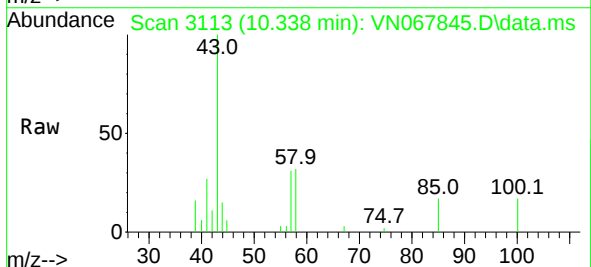
Instrument :
MSVOA_N
ClientSampled :

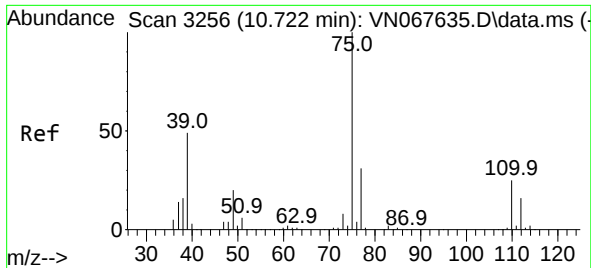
Tgt Ion: 98 Resp: 776205
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.753 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Tgt Ion: 43 Resp: 10341
Ion Ratio Lower Upper
43 100
58 40.0 28.6 43.0

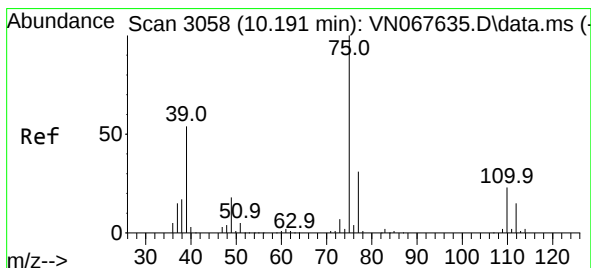
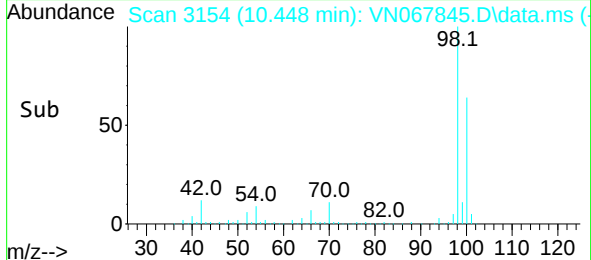
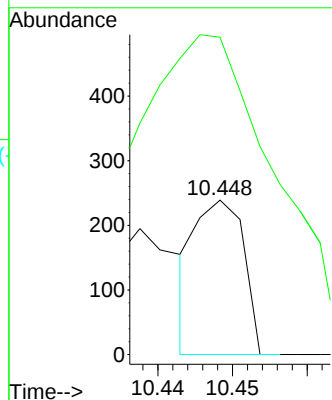
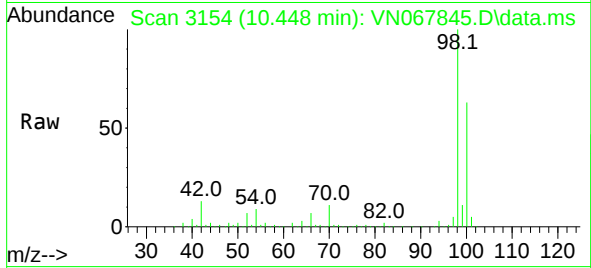




#53
t-1,3-Dichloropropene
Concen: 1.759 ug/l
RT: 10.448 min Scan# 3154
Delta R.T. -0.274 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

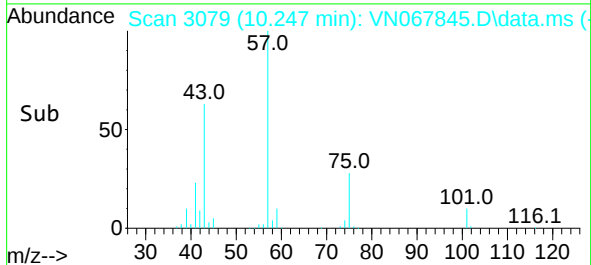
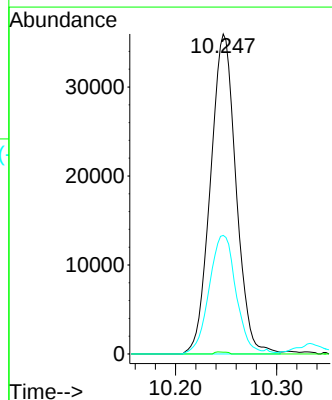
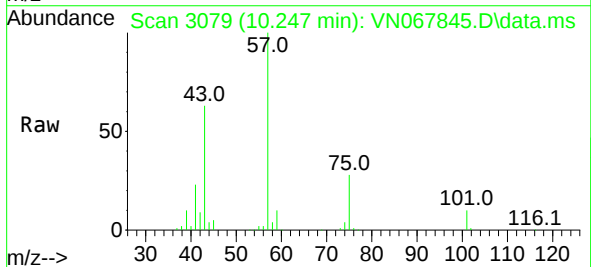
Instrument :
MSVOA_N
ClientSampled :

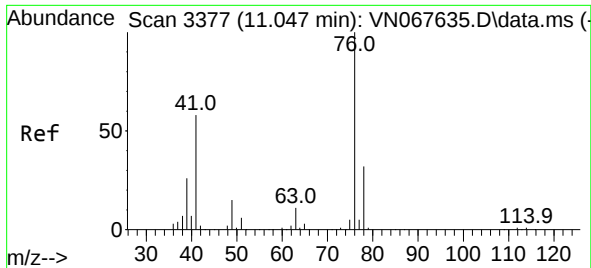
Tgt Ion: 75 Resp: 106
Ion Ratio Lower Upper
75 100
77 95.4 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 9.580 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Tgt Ion: 75 Resp: 63085
Ion Ratio Lower Upper
75 100
77 0.5 24.6 37.0#
39 37.0 50.7 76.1#

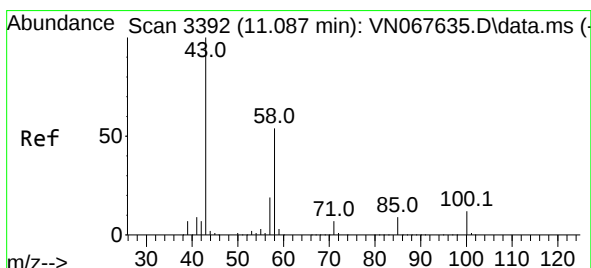
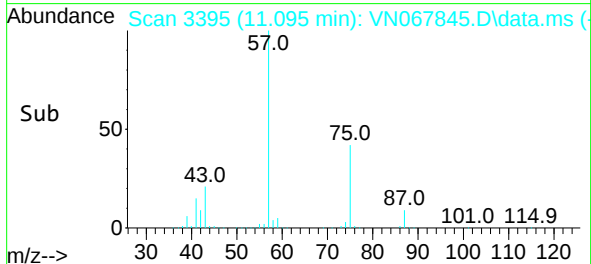
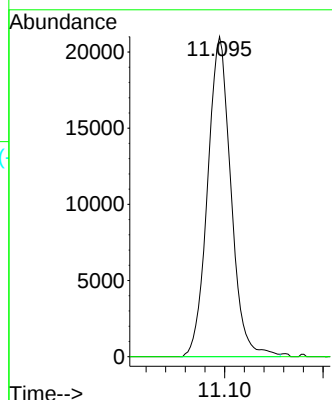
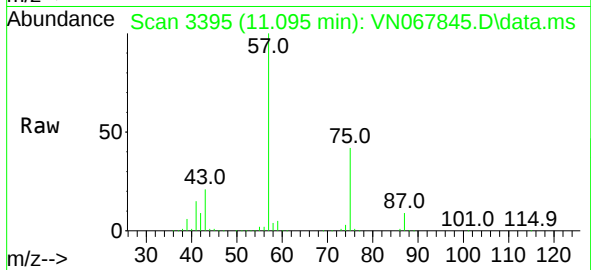




#57
1,3-Dichloropropane
Concen: 4.780 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

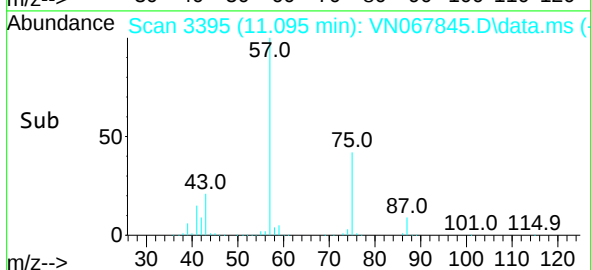
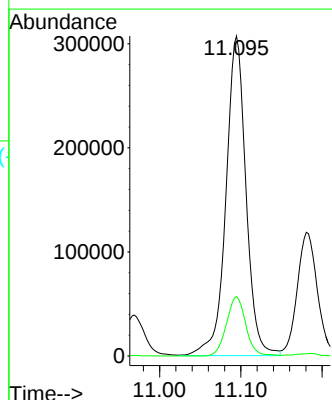
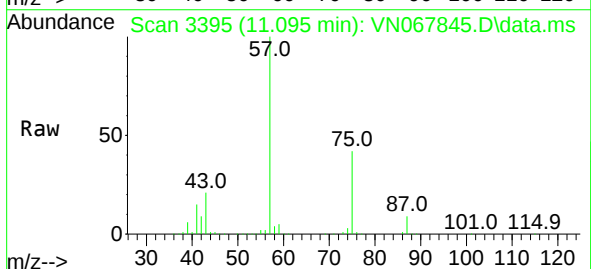
Instrument :
MSVOA_N
ClientSampled :

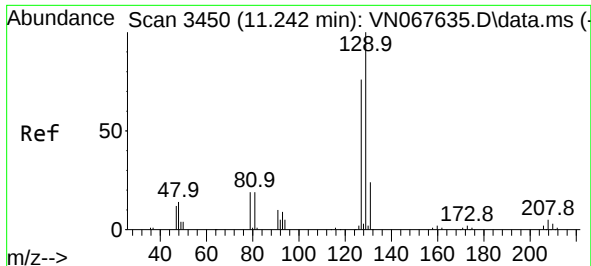
Tgt Ion: 76 Resp: 34693
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 128.300 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Tgt Ion: 43 Resp: 528146
Ion Ratio Lower Upper
43 100
58 17.9 24.7 74.1#

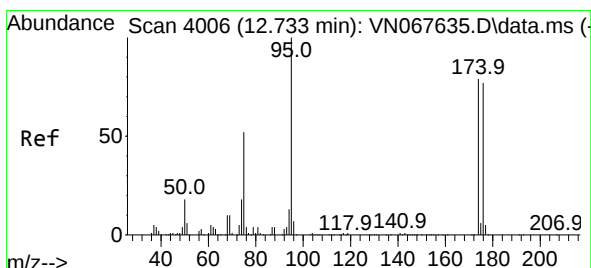
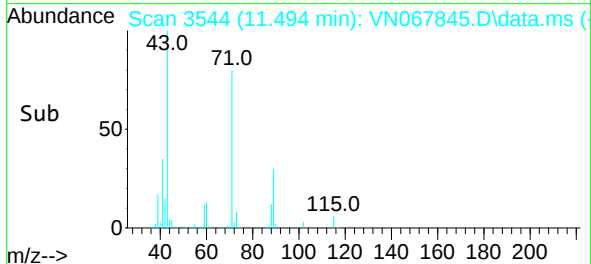
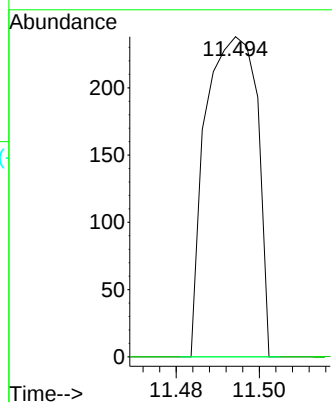
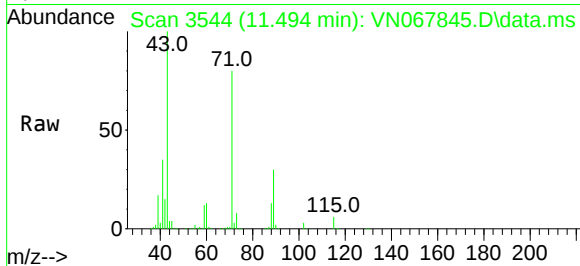




#60
Dibromochloromethane
Concen: 2.394 ug/l
RT: 11.494 min Scan# 3544
Delta R.T. 0.252 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

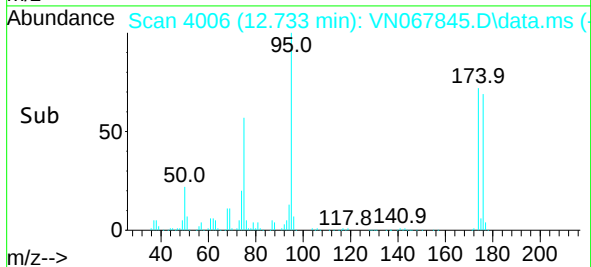
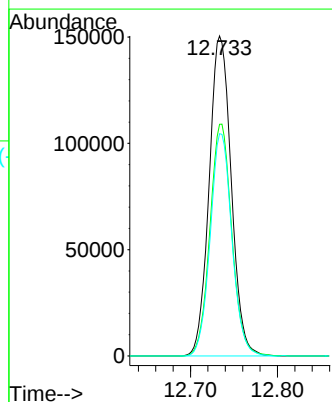
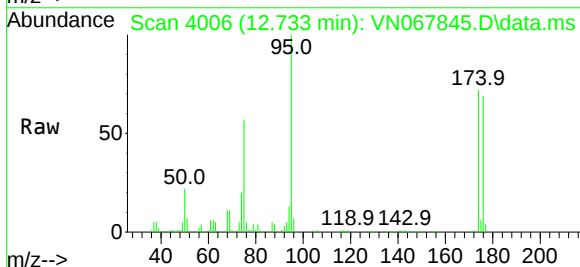
Instrument :
MSVOA_N
ClientSampled :

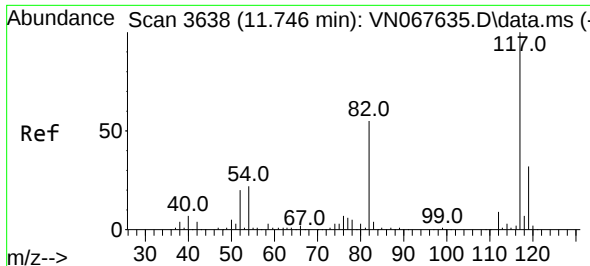
Tgt Ion:129 Resp: 204
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.056 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Tgt Ion: 95 Resp: 265722
Ion Ratio Lower Upper
95 100
174 72.0 0.0 122.0
176 68.1 0.0 117.6

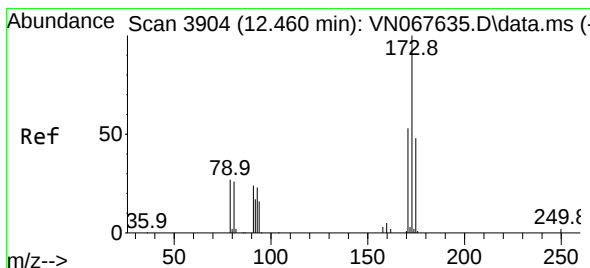
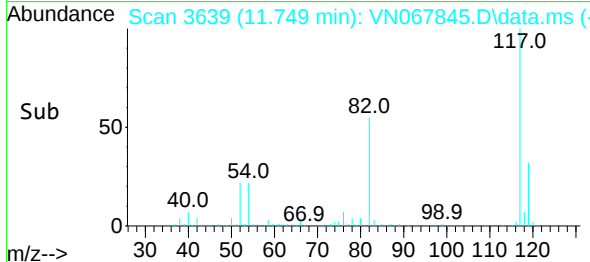
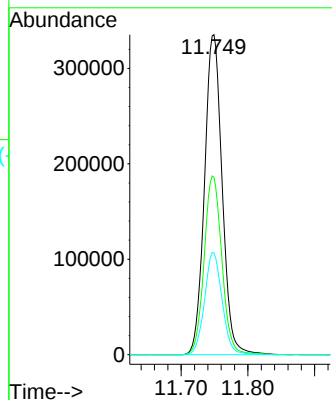
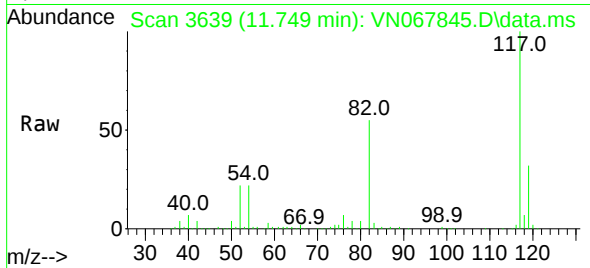




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

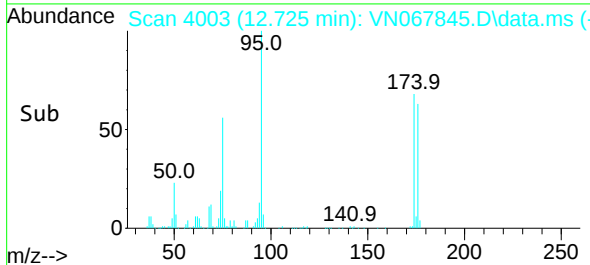
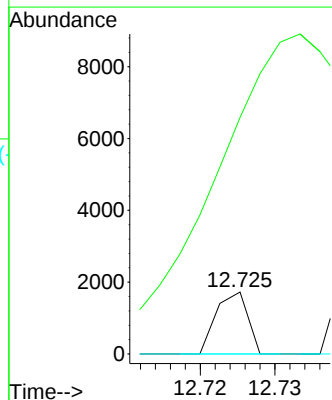
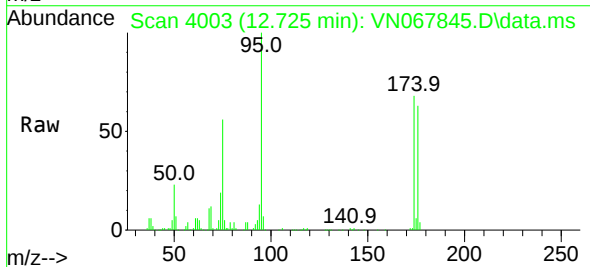
Instrument :
MSVOA_N
ClientSampleId :

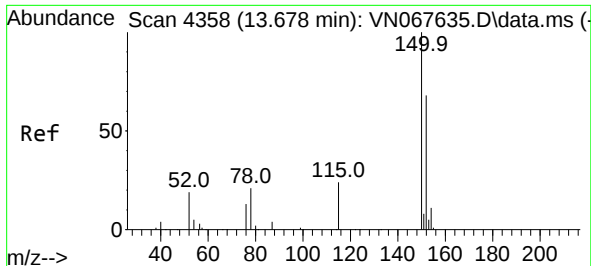
Tgt Ion:117 Resp: 617638
Ion Ratio Lower Upper
117 100
82 55.5 53.1 79.7
119 31.8 25.5 38.3



#71
Bromoform
Concen: 3.295 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Tgt Ion:173 Resp: 505
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

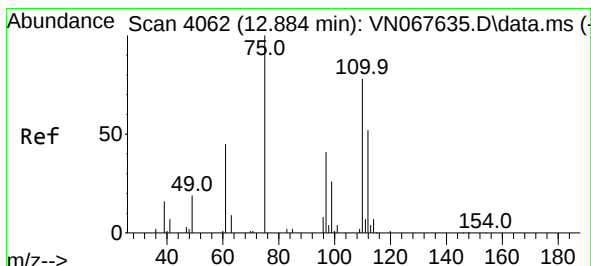
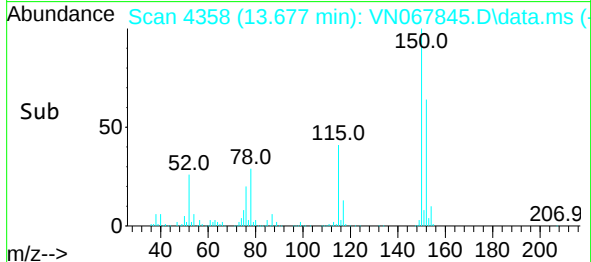
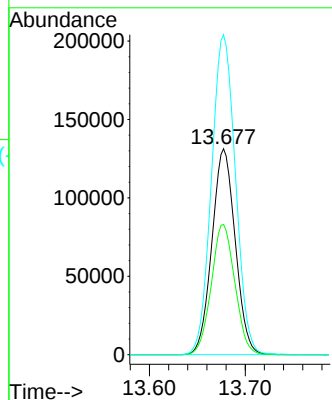
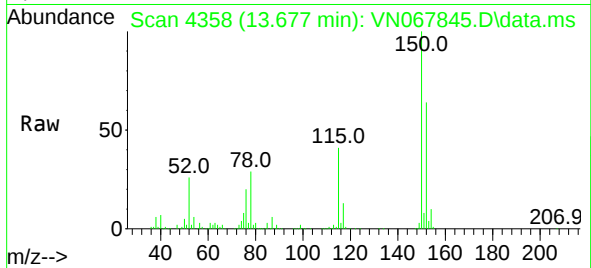




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. -0.000 min
 Lab File: VN067845.D
 Acq: 21 Jul 2021 17:52

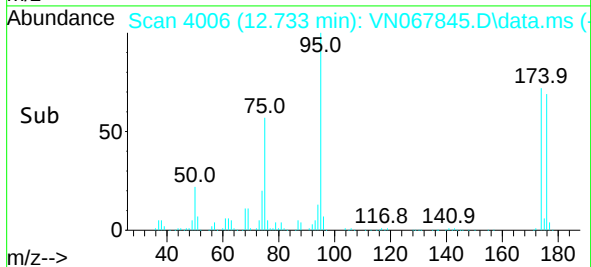
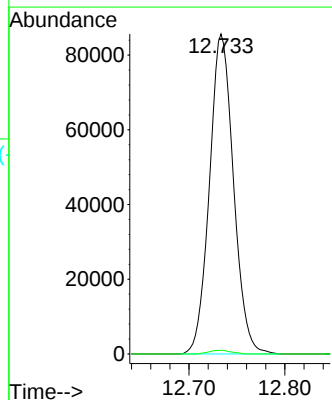
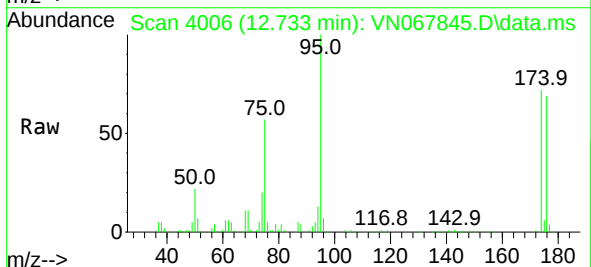
Instrument :
 MSVOA_N
 ClientSampled :

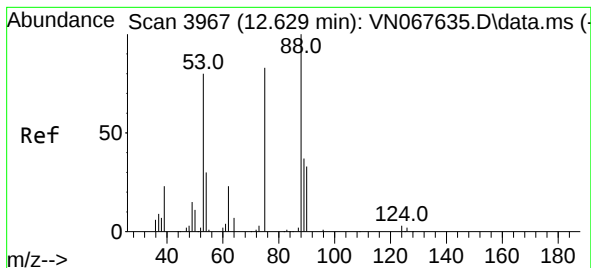
Tgt Ion:152 Resp: 221772
 Ion Ratio Lower Upper
 152 100
 115 63.8 36.1 108.5
 150 159.9 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 32.952 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN067845.D
 Acq: 21 Jul 2021 17:52

Tgt Ion: 75 Resp: 149239
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

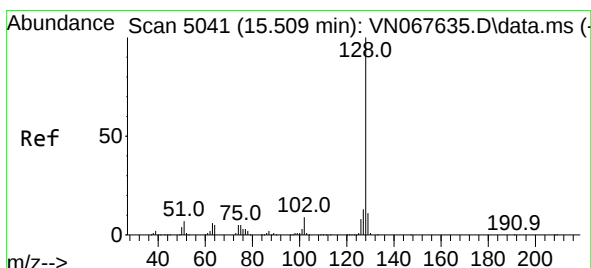
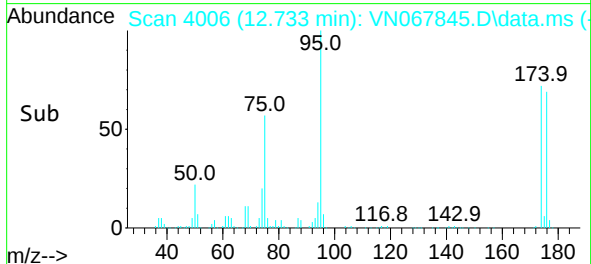
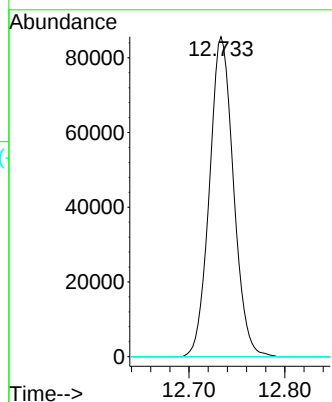
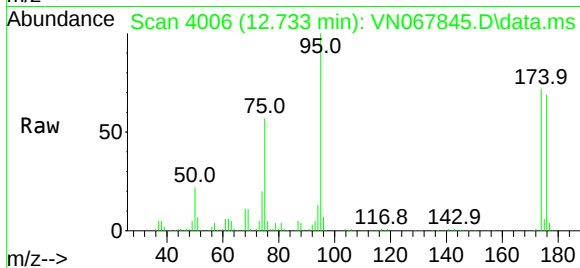




#81
trans-1,4-Dichloro-2-butene
Concen: 106.240 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 149239
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.088 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.005 min
Lab File: VN067845.D
Acq: 21 Jul 2021 17:52

Tgt Ion:128 Resp: 873
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

